

ATTACHMENT I

Docket No. 50-286
LER 79-005/03L-1

The Power Authority
of the State of New York

The plant was at 100 percent power in the steady state.

On April 5, 1979, at 0823 hours, service water pump no. 34 was removed from service due to a low discharge pressure. It was determined upon investigation that the main pump shaft had broken, disabling one of the essential header pumps required by Technical Specification 3.3.F.1.

Service water pumps nos. 31, 32 and 33 were valved to the essential header at this point, and nos. 35 and 36 were valved to the nonessential header within the eight hour time limit required by Technical Specifications.

It was found that failure of the main bearings, which had worn out under normal strain, caused the shaft to break. On May 11, 1979, the shaft of the Verti-line, 350SW20K2 (Layne-Bowler) service water pump was replaced, and new bearings were installed.

In the future, to prevent repetition of this event, pumps will be examined more frequently in a preventative maintenance program, so that bearings may be replaced before equipment damage occurs.

Performance of the plant was not affected by the incident. A similar event was observed on August 31, 1978, (LER 78-025/03L-0) for service water pump no. 35.